Clean Rivers Program

2023

Water Quality Advisory Committee Meeting

LCRA
ENERGY • WATER • COMMUNITY SERVICES
AGENDA

• Clean Rivers Program Activities and Updates
• Basin Summary Report Overview
• TPWD Lower Colorado River Initiatives
• Weather Outlook
• Environmental Flows
• Rain to River Strategic Plan
• Great Springs Project
• Cyanotoxins
• Lunch: Open Forum
Activities and Updates
Clean Rivers Program
Lisa Benton, LCRA
Zoe Nichols, LCRA
Kiran Freeman, TCEQ
CRP History and Structure

Working together for clean water and science-based decisions
1991
Texas Legislature passes the
Clean Rivers Act

WATER QUALITY DATA
REPORTING
STAKEHOLDER EDUCATION

City of Austin provides data in-kind

Other Texas River Authorities / Water Districts

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+ $
Basin Partner Regions

Upper Colorado River Authority (UCRA)
Lower Colorado River Authority (LCRA)
City of Austin (COA)
LCRA CRP Allocation of Funds FY 22-23 ($887,594)

- Personnel/Salary/Fringe Benefits: 11%
- Supplies + Travel: <1%
- Monitoring: 62%
- UCRA: 27%
Budget Planning for FY 24-25 Contract

- Baseline budget increasing to $909,212
- Previous contract baseline budget was $763,594
- $146K increase – potential uses being discussed:
  - Increased monitoring in high priority segments as identified in Basin Summary Report and by stakeholders
  - Increased number of water quality parameters being collected at certain sites
  - More in-depth investigation of existing impairments and concerns
  - Additional CRP outreach
Texas Integrated Report

Statewide assessment of the status of state waters
Texas Integrated Report and 303(d) List

• Statewide assessment of the status of state waters
  ➢ Compares water quality data to approved water quality standards and screening levels
  ➢ Evaluates all readily available data
  ➢ Identifies impaired waters for TMDLs on the 303(d) List

• Required by:
  ➢ Federal Clean Water Act, Sections 305(b) and 303(d)

• Conducted every two years
  ➢ Draft due to EPA on April 1 of even numbered years
2022 Texas Integrated Report and 303(d) List

Period of Record: 12/01/2013 – 11/30/2020

Statewide
• 1490 water bodies evaluated
• 588 impaired water bodies
  – 74 new impairments
  – 47 removed

Colorado River Basin
• 138 water bodies evaluated
• 19 impaired water bodies
<table>
<thead>
<tr>
<th>SEGID</th>
<th>WaterBody Name</th>
<th>Impairment Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1402C</td>
<td>Buckners Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1402H</td>
<td>Skull Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1403A</td>
<td>Bull Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1403J</td>
<td>Spicewood Tributary to Shoal Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1403K</td>
<td>Taylor Slough South</td>
<td>E. coli</td>
</tr>
<tr>
<td>1405</td>
<td>Marble Falls Lake</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1406</td>
<td>Lake Lyndon B. Johnson</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1407A</td>
<td>Clear Creek</td>
<td>Aluminum (dissolved), Copper (dissolved), Nickel (dissolved), Zinc (dissolved), pH, Total Dissolved Solids, Sulfate</td>
</tr>
<tr>
<td>1411</td>
<td>E. V. Spence Reservoir</td>
<td>Total Dissolved Solids, Chloride, Sulfate</td>
</tr>
<tr>
<td>1412</td>
<td>Colorado River Below Lake J. B. Thomas</td>
<td>Enterococcus</td>
</tr>
<tr>
<td>1412B</td>
<td>Beals Creek</td>
<td>Enterococcus</td>
</tr>
<tr>
<td>1416</td>
<td>San Saba River</td>
<td>E. coli</td>
</tr>
<tr>
<td>1416A</td>
<td>Brady Creek</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1419</td>
<td>Lake Coleman</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1421</td>
<td>Concho River</td>
<td>Dissolved Oxygen 24hr</td>
</tr>
<tr>
<td>1428B</td>
<td>Walnut Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1428C</td>
<td>Gilleland Creek</td>
<td>E. coli</td>
</tr>
<tr>
<td>1429</td>
<td>Lady Bird Lake</td>
<td>Excessive algal growth in water</td>
</tr>
<tr>
<td>1429C</td>
<td>Waller Creek</td>
<td>Macrobenthic Community, E. coli</td>
</tr>
</tbody>
</table>

*Red text denotes that the site was added to the list in 2022*
Water Bodies Removed from the 2022 303 (d) List

- **1413 Lake J.B. Thomas**
  - chloride, total dissolved solids
- **1425 O.C. Fisher Lake**
  - chloride, total dissolved solids
- **1427A Slaughter Creek**
  - impaired benthics
- **1433 O.H. Ivie Reservoir**
  - excessive algal growth in water
- **1434G Alum Creek**
  - *E. coli*
Coordinated Monitoring Meeting

1:00 Today

Decisions on monitoring for 2024 Fiscal Year